

11-16-06

2137
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PATENT
ATTY. DKT. NO.: 18645-23



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Stefan Rover et al. :
Serial No.: 09/530,334 : Art Unit: 2137
Filed: June 10, 2000 : Examiner: Minh Dieu T. Nguyen
For: METHOD FOR DIGITAL :
SIGNING OF A MESSAGE :

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Mail Stop: AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98.

- ☒ 1. A list of documents on form PTO/SB/08A (Substitute for form 1449/PTO) together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report or communication from a non-US patent office or an International Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

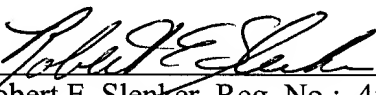
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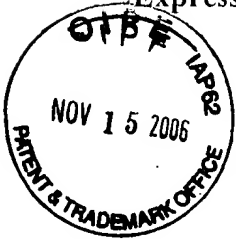
- ☒ 2. 37 CFR 1.97(b): [within three months of national, non-CPA filing, prior to first Office Action, on the merits, or prior to first office action after filing an RCE]

- ☐ 3. 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☐ a. The required Certification made in item 5 below; or
- ☐ b. The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.
- ☐ 4. 37 CFR 1.97(d): [on or before issue fee payment]; and
- ☐ a. The required Certification is stated in item 5 below; and
- ☐ b. The \$180.00 fee specified in 37 C.F.R. 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.
- ☐ 5. Certification
- ☐ a. Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- ☐ b. No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- ☒ 6. Payment of all applicable fees:
- ☒ Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. **01-2384**.
- ☐ Enclosed is a check in the amount of \$ _____ in payment of all applicable fees associated with the submittal of this Information Disclosure Statement.

This document is submitted in duplicate.

Respectfully Submitted,


Robert E. Slenker, Reg. No.: 45,112
Armstrong Teasdale LLP
One Metropolitan Square, Suite 2600
St. Louis, Missouri 63102
(314) 621-5070



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Art Unit: 2137

Serial No.: 09/530,334

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Examiner: Minh Dieu T. Nguyen

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**CERTIFICATE OF MAILING BY EXPRESS MAIL TO
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Date of Mailing: November 15, 2006

I certify that the documents listed below:

- Information Disclosure Statement Transmittal (2 pgs.), in duplicate
- Information Disclosure Statement (10) pgs., along with References AA-AZ, BA-BZ, CA-CG, FA-FZ, FAA-FAC, OA-OZ and OAA-OAV
- Applicant's Comments On IDS Submittal (1 pg.)
- Return Post Card

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully Submitted,

Robert E. Slenker

Reg. No. 45,112

ARMSTRONG TEASDALE LLP

One Metropolitan Square, Suite 2600

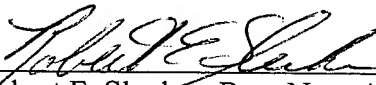
St. Louis, Missouri 63102-2740

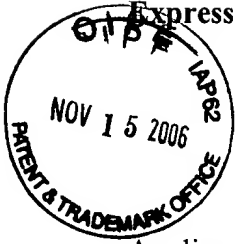
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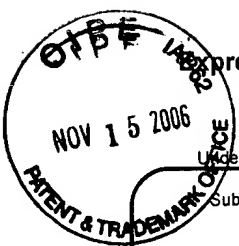
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The Applicants submit an Information Disclosure Statement herewith. As noted in the Office Action mailed August 3, 2006, and made final, the Examiner did not consider three references, OA, OC, and OF, submitted in the Information Disclosure Statement filed on May 17, 2006, because the submission did not include a concise explanation of the relevance of each document. Therefore, with the current submission, Applicants resubmit references OA, OC, and OF as references OP, OR, and OQ, respectively. Current submissions OP, OR, and OQ each include an English synopsis.

Based on the voluminous nature of the Information Disclosure Statement submitted herewith, and per the request of the Examiner in a telephone conversation with the undersigned, Applicants direct the Examiners attention to references US 5,668,876, WO 95/23465, and WO 96/32700.

Respectfully Submitted,

Robert E. Stenker
Registration No. 45,112
ARMSTRONG TEASDALE LLP
One Metropolitan Square, Suite 2600
St. Louis, Missouri 63102-2740
(314) 621-5070



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PTO/SB/08A (07-06)

Approved for use through 09/30/2006. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/530,334
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First Named Inventor	Stefan Rover
Art Unit	2137
Examiner Name	M. D. T. Nguyen
Attorney Docket Number	18645-00023

Sheet 1 of 10

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US- 4679236	7/7/87	Davies	
	AB	US- 5191613	3/2/1993	Graziano et al.	
	AC	US- 5299262	3/29/1994	Brickell et al.	
	AD	US- 5511121	4/23/1996	Yacobi	
	AE	US- 5544255	8/6/1996	Smithies et al.	
	AF	US- 5546463	8/13/1996	Caputo et al.	
	AG	US- 5613012	3/18/1997	Hoffman et al.	
	AH	US- 5647017	7/8/1997	Smithies et al.	
	AI	US- 5724425	3/3/1998	Chang et al.	
	AJ	US- 5778071	7/7/1998	Caputo et al.	
	AK	US- 5784464	7/21/1998	Akiyama et al.	
	AL	US- 5787175	7/28/1998	Carter	
	AM	US- 5796832	8/18/1998	Kawan	
	AN	US- 5799086	8/25/1998	Sudia	
	AO	US- 5805719	9/8/1998	Pare, Jr. et al.	
	AP	US- 5809145	9/15/1998	Slik et al.	
	AQ	US- 5818955	10/6/1998	Smithies et al.	
	AR	US- 5838812	11/17/1998	Pare, Jr. et al.	
	AS	US- 5862325	1/19/1999	Reed et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	FA	DE 44 06 590 A1	9/7/95	Werner		
	FB	DE 196 09 232 A1	9/11/97	Korst		
	FC	DE 37 04 814 C2	5/2/1996	Takaragi et al.		
	FD	DE 196 22 533 A1	12/11/1997	Schaefer-Lorinser et al.		
	FE	DE 195 48 581 A1	7/3/97	Hartleif et al.		
	FF	DE 297 17 520 U1	11/13/97	Thendic Electronic Compon		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet 2

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		Number-Kind Code ² (if known)			
	AT	US- 5872849	2/16/1999	Sudia et al.	
	AU	US- 5878142	3/2/1999	Caputo et al.	
	AV	US- 5903880	5/11/1999	Biffar	
	AW	US- 5943423	8/24/1999	Muftic	
	AX	US- 5948103	9/7/1999	Fukuzaki	
	AY	US- 5960085	9/28/1999	de la Hueraga	
	AZ	US- 6009177	12/28/1999	Sudia	
	BA	US- 6018724	1/25/2000	Arent	
	BB	US- 6038549	3/14/2000	Davis et al.	
	BC	US- 6041314	3/21/2000	Davis	
	BD	US- 6047269	4/4/2000	Biffar	
	BE	US- 6055236	4/25/2000	Nessett et al.	
	BF	US- 6061791	5/9/2000	Moreau	
	BG	US- 6064751	5/16/2000	Smithies et al.	
	BH	US- 6085320	7/4/2000	Kaliski, Jr.	
	BI	US- 6088717	7/11/2000	Reed et al.	
	BJ	US- 6091835	7/18/2000	Smithies et al.	
	BK	US- 6105006	8/15/2000	Davis et al.	
	BL	US- 6148405	11/14/2000	Liao et al.	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	FG	DE 196 34 418 A1	3/5/1998	Lewke		
	FH	DE 196 18 471 A1	1/8/98	Hartleif et al.		
	FI	DE 43 33 388 A1	4/6/1995	Rankl et al.		
	FJ	DE 42 01 197 A1	7/22/93	Weis et al.		
	FK	DE 43 35 317 C2	2/12/1998	Scharf-Katz		
	FL	DE 198 44 677	2/17/00	Al Khaja		

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		Number-Kind Code ² (if known)			
	BM	US- 6157290	12/5/2000	Jakobsson et al.	
	BN	US- 6189098	2/13/2001	Kaliski, Jr.	
	BO	US- 6205435	3/20/2001	Biffar	
	BP	US- 6213391	4/10/2001	Lewis	
	BQ	US- 6223291	4/24/2001	Puhl et al.	
	BR	US- 6240091	5/29/2001	Ginzboorg et al.	
	BS	US- 6243480	6/5/2001	Zhao et al.	
	BT	US- 6282522	8/28/2001	Davis et al.	
	BU	US- 6311167	10/30/2001	Davis et al.	
	BV	US- 6314468	11/6/2001	Murphy et al.	
	BW	US- 6314519	11/6/2001	Davis et al.	
	BX	US- 6325292	12/4/2001	Sehr	
	BY	US- 6332133	12/18/2001	Takayama	
	BZ	US- 6367013	4/2/2002	Bisbee et al.	
	CA	US- 6381344	4/30/2002	Smithies et al.	
	CB	US- 6394341	5/28/2002	Makipaa et al.	
	CC	US- 6397261	5/28/2002	Eldridge et al.	
	CD	US- 6404337	6/11/2002	Van Till et al.	
	CE	US- 6142369	11/7/2000	Jonstromer	

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	FM	DE 100 49 164 A1	4/18/2002	Reiken et al.		
	FN	DE 44 20 967 A1	12/21/1995	ESD Vermögensverwaltungsg		
	FO	DE 197 47 603	5/20/1999	Röver et al.		
	FP	WO 95/35635	12-28-1995	Ritter et al.		
	FQ	WO 93/26131	12/23/1993	KOIVUNEN		
	FR	WO 94/08433	12/23/1993	Hemansson et al.		

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Sheet	4	of	10
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
	FS	WO 94/11849	5/26/1994	VATANEN		
	FT	WO 90/13213	11/1/1990	Gloster et al.		
	FU	WO 92/14329	8/20/1992	Lahtinen		
	FV	EP 0 555 992	9/4/1996	Jokimies		
	FW	EP 0 562 890	6/14/2000	Green		
	FX	EP 0 481 714	1/2/1997	Sommerville		

Examiner Signature		Date Considered	
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Sheet	5	of	10
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FOREIGN PATENT DOCUMENTS

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	09/530,334
		Filing Date	June 10, 2000
		First Named Inventor	Stefan Rover
		Art Unit	2137
		Examiner Name	M. D. T. Nguyen
Sheet 6	of 10	Attorney Docket Number	18645-00023

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	OA	Der HBCI-Standard- Was bedeutet "HBCI (Home Banking Computer Interface)"? An English synopsis of the document is included.	
	OB	MICHELI, UWE; Sicherheitsfunktionen im paneuropaischen Mobilfunknetz, DeTeCon Deutsche Telepost Consulting GmbH, Einfuhrungsveranstaltung vom 8.10.-11.10.1991. An English synopsis of the document is included.	
	OC	"RSA [Rivest, Shamir and Adelman algorithm] Enters Wireless Arena," January 12, 1994, Redwood City, CA	
	OD	"Motorola to Apply RSA Technology to Family of Information Security Products for Worldwide Communication of Sensitive Data," October 16, 1995, Redwood City, CA	
	OE	"Unwired Planet Chooses RSA Technology for Wireless Internet Platform," July 8, 1997, Redwood City, CA	
	OF	ROTT, CHRISTIAN; E-Cash: Stocktaking, Student of the economical informatics for the practical course from experimental Economics, January 1998, Vienna. An English translation of the document is included.	
	OG	MURCH, ALLAN; STIFFE, PETER; "Cellular Data Services over GSM" MICROWAVE JOURNAL, USA, vol. 38, no. 7, July 1995, ISSN 0026-2897, page 90, 92, 94, 96 XP000524891	
	OH	IRLBECK, THOMAS; "Digital Signature," Computer-Lexikon, Beck EDV Consultants A-Z. An English translation of the document is included.	
	OI	Digital Cellular Telecommunications System (Phase 2+); Technical realization of the Short Message Service (SMS); Point-to-Point (PP) (GSM 03.40)	
	OJ	PFITZMANN, ANDREAS; PFITZMANN, BIRGIT; SCHUNTER, MATTHIAS; WAIDNER, MICHAEL; Mobile User Devices and Security Modules: Design for Trustworthiness, February 5, 1996	

Examiner Signature		Date Considered	
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Sheet 7	of 10	Attorney Docket Number	18645-00023

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	OK	ELGAMAL, TAHER; "A Public Key Cryptosystem and a Signature Scheme Based on Discrete Logarithms," July, 1985, IEEE Transaction Information Theory; 1985 vol. IT31 pp.469-472	
	OL	CHAUM, DAVID; FIAT, AMOS; NAOR, MONI; "Untraceable Electronic Cash" Session 9, Protocols, University of Montreal, pp. 319-327	
	OM	DONN, IVAN; "Smart Cards in GSM," Elektron, February, 1994	
	ON	GRIGOROVA, THEODORA; LEUNG, IVAN; "SIM Cards," TELECOMMUNICATION JOURNAL OF AUSTRALIA, vol. 43, no. 2, 1993 AU, pages 33-38	
	OO	HEROLD, VON SVEN; "Hintergrund: Was ist HBCI?," May 10, 2001, ZDF.MSNBC. An English synopsis of this document is included.	
	OP	LUKAS, SYLVIA; "Cyber Money - Kunstliches Geld in Internet und Elektronischen Geldborsen," pp. 122-123, 1997, Hermann Luchterhand Verlag, Neuwied, Kriftel/Ts., Berlin. An English synopsis of the document is included.	
	OQ	VOLPE, FRANCES P.; VOLPE, SAFINAZ; "Chipkarten," pp. 62-65, Verlag Heinz Heise GmbH & Co KG, Hannover. An English synopsis of the document is included.	
	OR	HORSTER, PATRICK; "Trust Center," pp. 1-9, 154-157, 1995, Friedr. Vieweg & Sohn Verlagsgesellschaft mbH, Braunschweig/Wiesbaden, 1995. An English synopsis of the document is included.	
	OS	BELLARE, MIHIR; GARAY, JUAN A.; HAUSER, RALF; HERZBERG, AMIR; KRAWCYZK, HUGO; TSUDI, GENE; WAIDNER, MICHAEL; "IKP - A Family of Secure Electronic Payment Protocols," August 2, 1995.	
	OT	An English translation of a portion of FI 945075 (cite FY)	

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Sheet 8	of 10	Attorney Docket Number	18645-00023

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	OU	An English translation of a portion of DE 4406590 (cite FA)	
	OV	An English translation of a portion of DE 19609232 (cite FB)	
	OW	An English translation of a portion of DE 3704814 (cite FC)	
	OX	An English translation of a portion of DE 19622533 (cite FD)	
	OY	An English translation of a portion of DE 19548581 (cite FE)	
	OZ	An English translation of a portion of DE 19634418 (cite FG)	
	OAA	An English translation of a portion of DE 19618471 (cite FH)	
	OAB	An English translation of a portion of DE 4333388 (cite FI)	
	OAC	An English translation of a portion of DE 4201197 (cite FJ)	
	OAD	An English translation of a portion of DE 19844677 (cite FL)	

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	OAE	An English translation of a portion of DE 10049164 (cite FM)	
	OAF	An English translation of a portion of DE 19747603 (cite FO)	
	OAG	An English translation of a portion of WO 95/35635 (cite FP)	
	OAH	An English translation of WO 93/26131 (cite FQ)	
	OAI	An English translation of WO 94/08433 (cite FR)	
	OAJ	An English translation of WO 94/11849 (cite FS)	
	OAK	An English translation of WO 90/13213 (cite FT)	
	OAL	An English translation of WO 92/14329 (cite FU)	
	OAM	An English translation of EP 0555992 (cite FV)	
	OAN	An English translation of EP 0562890 (cite FW)	

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	OAQ	An English translation of EP 0481714 (cite FX)	
	OAP	An English translation of a portion of CH 683052 (cite FZ)	
	OAQ	An English translation of a portion of SE 467559 (cite FAA)	
	OAR	An English translation of WO 96/13814 (cite FAB)	
	OAS	An English translation of EP 0777394 (cite FAC)	
	OAT	An English translation of a portion of DE 29717520 (cite FF)	
	OAQ	An English translation of a portion of DE 4335317 (cite FK)	
	OAV	An English translation of a portion of DE 4420967 (cite FN)	

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